

# Interview Summary

Application No.  
09/749,005

Applicant(s)  
Peltonen, Kyle

Examiner  
Cindy Nguyen

Art Unit  
2171



All participants (applicant, applicant's representative, PTO personnel):

(1) Rick D. Nydegger  
(2) Cindy Nguyen

(3) Saket Meljani  
(4) \_\_\_\_\_

Date of Interview Jan 9, 2003

Type: a) ☐ Telephonic b) ☐ Video Conference  
c) ☒ Personal [copy is given to 1) ☐ applicant 2) ☒ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No. If yes, brief description:

Claim(s) discussed: 1

Identification of prior art discussed:

Legh-Smith et al., Oilmour et al.

Agreement with respect to the claims f) ☐ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments:

Applicant proposed an Amendment to Claim 1, which on its face appears to the examiners to differentiate over the prior art of record. However, the examiners reserve the right to carefully review the amendment and art of record, as well as update searches once the amendment is formally submitted.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

☒ It is not necessary for applicant to provide a separate record of the substance of the interview (if box is checked).

Unless the paragraph above has been checked, THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

[Signature]  
Examiner's signature, if required

### **Pending Claims (1-32)**

1. In a system including data objects contained in a data store, and a property store containing information for various properties of the data objects, wherein the data store is indexed by a content index that is built using terms gathered from the content of the objects in the data store, a method for scoping a search of the data store in order to identify a desired subset of objects contained in the data store, but doing so without resort to the property store, wherein the search includes one or more terms, the method comprising:

an act of including ~~an~~one or more identifiers in the content index as the content index is built or altered, whereinso that the one or more identifiers ~~is~~are implicitly included in ~~the~~any subsequent search of the content index in order to facilitate scoping the search by using the one or more identifiers;

an act of identifying a first list of document identifiers ~~with~~by using the one or more terms from the content index;

an act of identifying a second list of document identifiers ~~with the~~by using at least one identifier from the content index; and

an act of comparing the second list of document identifiers with the first list of document identifiers to identify a subset of document identifiers that is satisfiedy by both ~~said lists~~the search, thereby scoping a search for a desired subset of objects contained in the data store, but doing so without resort to a property store.

2. A method as defined in claim 1, wherein the act of including an identifier in the content index further comprises an act of building the content index.

3. A method as defined in claim 1, further comprising an act of returning the subset of document identifiers.

4. A method as defined in claim 1, wherein the act of comparing the second list of document identifiers with the first list of document identifiers further comprises an act of restricting the search based on the identifier.

5. A method as defined in claim 1, wherein the identifier is a folder identifier.

6. A method as defined in claim 5, wherein the folder identifier is unique across the content index.

7. A method as defined in claim 1, wherein the identifier is a Uniform Resource Locator.

8. A method as defined in claim 1, wherein the act of comparing the second list of document identifiers with the first list of document identifiers further comprises an act of intersecting the second list of document identifiers with the first list of document identifiers to identify the subset of document identifiers.

9. A method as defined in claim 1, further comprising an act of refraining from comparing the second list of document identifiers with the first list of document identifiers when the second list of document identifiers cannot reduce the first list of document identifiers.

10. A method as defined in claim 1, further comprising an act of refraining from comparing the second list of document identifiers with the first list of document identifiers when processing only the first list of document identifiers is more efficient.

11. In a system including one or more data stores, wherein a search engine gathers and indexes data from the one or more data stores in a context index, a method for focusing a search of the data, the search including one or more terms, the method comprising:

an act of including one or more scope restrictions in the content index when the search engine indexes the data, wherein the one or more scope restrictions are non-text;

an act of adding a scope restriction to the search, the scope restriction included in the one or more scope restrictions;

an act of identifying a first list of document identifiers from the content index using the one or more terms of the search;

an act of identifying a second list of document identifiers from the content index using the scope restriction; and

an act of focusing the first list of document identifiers by using the second list of document identifiers to generate a subset list of document identifiers from the first list of document identifiers.

12. A method as defined in claim 11, further comprising an act of returning the subset list of document identifiers to a user.

13. A method as defined in claim 11, wherein the act of including one or more scope restrictions in the content index further comprises an act of building the content index.

14. A method as defined in claim 11, wherein the act of focusing the first list of document identifiers further comprises an act of scooping the search based on the scope restriction.

15. A method as defined in claim 11, wherein the scope restriction is a folder identifier.

16. A method as defined in claim 15, wherein the folder identifier is unique across the content index.

17. A method as defined in claim 11, wherein the scope restriction is a Uniform Resource Locator.

18. A method as defined in claim 11, wherein the act of focusing the first list of document identifiers further comprises an act of intersecting the second list of document identifiers with the first list of document identifiers.

19. A method as defined in claim 11, wherein the act of focusing the first list of document identifiers further comprises an act of identifying matching document identifiers from

the first list of document identifiers and the second list of document identifiers, wherein the matching document identifiers are included in the subset list of document identifiers.

20. A method as defined in claim 11, further comprising an act of refraining from focusing the first list of document identifiers using the second list of document identifiers when the second list of document identifiers cannot reduce the first list of document identifiers.

21. A method as defined in claim 11, further comprising an act of refraining from focusing the first list of document identifiers when processing only the first list of document identifiers is more efficient.

22. A computer readable medium having computer executable instructions for performing the acts recited in claim 11.

23. In a system including a mail store partitioned into one or more mailboxes, wherein a search engine has indexed the mail store in a content index, a method for scooping a search of the mail store, the search including one or more terms, the method comprising steps for:

the search engine including one or more identifiers in the content index, wherein one or more identifiers identify the one or more mailboxes;

including a root folder identifier in the search, the root folder identifier included in the one or more identifiers;

identifying a first list of document identifiers from the content index using the one or more terms, wherein the first list of document identifiers correspond to messages in one or more mailboxes;

identifying a second list of document identifiers from the content index using the root folder identifier, wherein the second list of document identifiers correspond to messages in a mailbox identified by the root folder identifier; and

generating a subset list of document identifiers by removing document identifiers from the first list of document identifiers that do not match document identifiers in the second list of document identifiers.

24. A method as defined in claim 23, wherein the step for generating a subset list of document identifiers further comprises a step for comparing the first list of document identifiers with the second list of document identifiers.

25. A method as defined in claim 23, wherein the step for generating a subset list of document identifiers further comprises a step of intersecting the second list of document identifiers with the first list of document identifiers.

26. A method as defined in claim 23, wherein the step for generating a subset list of document identifiers further comprises a step for identifying matching document identifiers from the first list of document identifiers and the second list of document identifiers, wherein the matching document identifiers are included in the subset list of document identifiers.

27. A method as defined in claim 23, further comprising a step for refraining from generating a subset list of document identifiers when it is efficient to only process the first list of document identifiers.

28. A method as defined in claim 27, further comprising a step for accessing a property store for the first list of document identifiers.

29. A method as defined in claim 23, further comprising a step for returning the subset list of document identifiers.

30. A method as defined in claim 23, wherein the folder identifier is a URL.

31. A method as defined in claim 23, the folder identifier is a set of URLs.

32. A computer readable medium having computer executable instructions for performing the steps recited in claim 23.